# SOFTWARE METHOD FOR EXHAUSTIVE VARIATION OF PARAMETERS, INDEPENDENT OF TYPE

## ABSTRACT

A method, system, and computer readable medium varies parameter data for a device under test. Parameters may be successively retrieved and set to a specified or random value. A state machine for operating, testing, and/or simulating a device under test using common code that is function specific. The state machine is built through inputting parameter information into the common code. Each state of the state machine has a unique set of parameters that define the state of the machine at that state. Pointers and status functions are preferably used to build and maintain the state machine.